

M 5.4, GREATER LOS ANGELES AREA, CALIFORNIA

Origin Time: Tue 2008-07-29 18:42:15 UTC

Location: 33.95°N 117.76°W Depth: 14 km

PAGER
Version 4

Created: 12 days, 20 hrs after earthquake

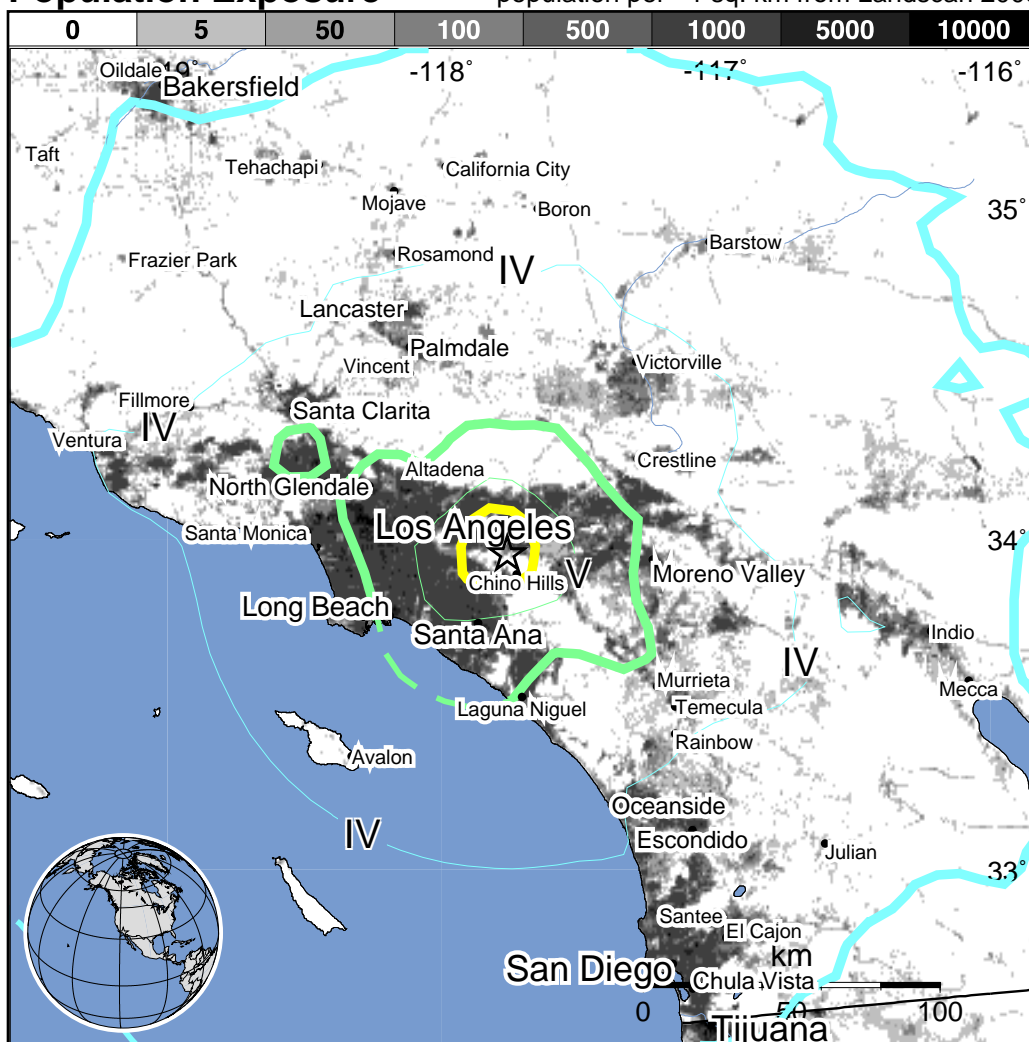
Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k = x1000)		- - *	607k*	10,060k*	10,408k	1,172k	0	0	0	0
ESTIMATED MODIFIED MERCALLI INTENSITY		I	II-III	IV	V	VI	VII	VIII	IX	X+
PERCEIVED SHAKING		Not felt	Weak	Light	Moderate	Strong	Very strong	Severe	Violent	Extreme
POTENTIAL DAMAGE	Resistant Structures	none	none	none	V. Light	Light	Moderate	Moderate/Heavy	Heavy	V. Heavy
	Vulnerable Structures	none	none	none	Light	Moderate	Moderate/Heavy	Heavy	V. Heavy	V. Heavy

*Estimated exposure only includes population within the map area.

Population Exposure

population per ~1 sq. km from Landscan 2006

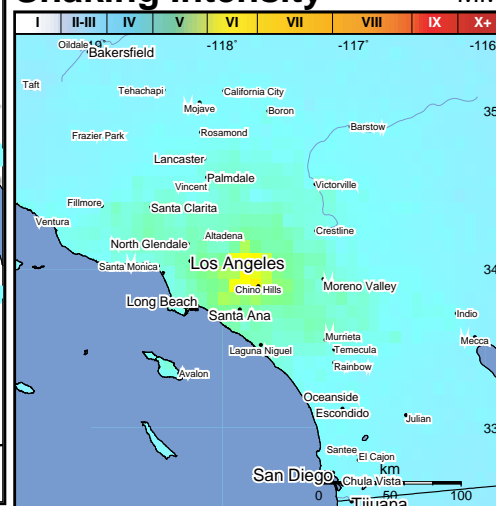


Selected City Exposure

MMI City	Population
VI Chino Hills	66k
VI Pomona	156k
VI Diamond Bar	58k
VI Yorba Linda	64k
VI Walnut	31k
VI Brea	39k
VI Placentia	49k
V Los Angeles	3,694k
V Long Beach	482k
IV San Diego	1,223k
IV Tijuana	1,376k

bold cities appear on map (k = x1000)

Shaking Intensity



Overall, the population in this region resides in structures that are resistant to earthquake shaking, though some vulnerable structures exist. A magnitude 5.9 earthquake 37 km Northeast of this one struck Whittier Narrows, California on October 01, 1987 (UTC), with estimated population exposures of 20,000 at intensity VIII and 1,292,000 at intensity VII, resulting in an estimated 8 fatalities. On January 17, 1994 (UTC), a magnitude 6.7 earthquake 78 km Northeast of this one struck Northridge, California, with estimated population exposures of 211,000 at intensity IX or greater and 1,968,000 at intensity VIII, resulting in an estimated 60 fatalities. Recent earthquakes in this area have caused, landslides and liquefaction that may have contributed to losses.

This information was automatically generated and has not been reviewed by a seismologist.